/7 cont./

36 [648] Their northernmost settlement near S. Maria was attacked and completely destroyed in 1881 by the Kayapo of the left bank. Since then they have not ventured far beyond the northernmost tip of Bananal Island with their settlements. Their farthest excursions go below S. Maria to the rapids of Joncon (i.e., it is at an end).

439 They perform important services for the traffic on the river by felling wood for the steamers. As payment they receive axes and knives, which they on their part trade to other tribes, such as the [197] Yavahẽ and Tapirapé. Understandably, when steamboat transportation was established, care was taken from the first to stay on good terms with the savages. The merit for introducing this excellent relationship and maintaining it for 20 years belongs to the courageous commander of the steamer, Sebastião de Freitas, who served so well in exploring the Araguaia. It is thanks to his unselfish, kin[illegible] work that perhaps /8/ nowhere else in Brazil are the relations between the native population and the settlers so good as here.

To be sure, for the Karayahi the contact with "civilization" [184] has not been without consequences. In comparison with the independent Šambioa, a certain lack of order and cleanliness in their villages and less care and taste in their artifacts are noticeable. On the other hand, a wealth of most interesting ethnological ob- [126] jects are still present among them. The most important pieces in the collection were acquired from them.

● 311 Their material position cannot be described as especially favorable. The lower riverbanks of their region are so exposed to floods that they can practice agriculture only to a limited extent. They [648] venture onto the higher left bank only temporarily, out of fear of their worst enemies, the Akuä and Kayapo.

13 [101] The third large Karaya horde is that of the Šambioa, about whom Castelnau brought back the first more detailed reports. [361] They possess four rather large villages between the Pau d'arco rapids [224] and the great Cachoeira de S. Miguel. Their hunting expeditions, however, extend beyond the Cachoeira grande, in former times up to the region of the Apinagẽs, near the present São Vincente, from [172] where increasing settlement has scared them away. The rock sculptures of the so-called Martirios Island between the Carreira

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24 [821] The time for laying out the planting is approximately September to October; it is called bōlăhŭă (1). It is regulated by

1. = Southern Cross?

the Pleiades (bōlŏbĕdŏ́ = parakeets): if it is low, manioc is planted; if it is somewhat higher, maize is planted. Cotton, batatas, and urucú are not planted until much rain falls, in other words, about November and December. These statements of the Indians coincide with the fact that I often found them absent from the village in October; they were sometimes days distant, in order to lay out the planting. Tall columns of smoke indicated in which direction they were doing this. The planting is usually laid out at a great distance from the village, on flood-safe high banks. As far as possible, the Indians ride there in a boat, but then they often still have long land marches to overcome before [311] they reach the planting. Recently they have begun laying out their plantings in the interior of Bananal Island, because the [361] harvests are supposed to be very good there. One chief, Korumaré, has already moved permanently to the inland river of Bananal. On the ninth of October I did not meet Chief Fotuna in his village; he had traveled two days inland to Bananal in order to prepare a new planting there. Apparently other villages were also considering the plan to betake themselves into the interior of Bananal later on.

The plantings are laid out by the married men, but the male youth seems to help. The underbrush is cut down; the tall forest [412] trees are stripped of their branches and then felled, which was formerly done with stone axes, but is now done with iron axes. [313] Larger timber is brought to the village as firewood, /243/ and the rest is burned as soon as it is dry. Then, between the fallen trees, small, low round beds are laid out, in which are planted three manioc stalks, set in a triangle with their twigs interlaced at the top (Ill. 12). For digging, heaping up the beds, and cutting in the holes for the plants a spade-like implement (măŭlĕ́ or ĭdjŏlŏ́) is used. It consists of a thick stick that is pointed at one end and at the other runs out into a shovel (Ill. 83). The shovel serves to lift

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Brazilian inhabitants, to be noted. This shows us how tenaciously the Karajá cling to their nationality, in spite of long association with their civilized neighbors.

C. The exploitation of the natural kingdom varies in intensity; the mineral kingdom is exploited least, the vegetable kingdom, which can, of course offer the Indian the most abundant resources, the most.

The mineral kingdom is as yet little utilized. Stones are rare in the alluvial valley of the Araguaya; at most there is small rubble on a few sandbanks; otherwise fine sand covers the river valley. On the steep vertical banks there is canga, a ferrous sandstone which cannot be utilized except perhaps in larger pieces which, with plaiting around them, serve as anchors for turtle tackle. Stones are found only north of the Tapirapé, and all of the few stone implements that were present came from there.

More frequently used is the gray clay which is embedded in narrow layers in the sandstone of the high banks. It is used for pottery. This art, however, in its technique and form, is still very primitive; ornamentation is entirely lacking. The vessels are shaped according to their practical use; they are made by the women. Apparently the women are more practical and less artistically endowed than the men, for we find everywhere that the things made by the women are simple and practical, those by the men, by contrast, show pleasing forms and ornamentation.

Earths are also but little utilized as colors.

The animal kingdom is utilized somewhat more intensively for technical purposes by the Indians. Bones and teeth of mammals are worked into tools and ornaments; mussel shells serve as implements. The bird kingdom is most abundantly drawn upon: their brilliant feathers are used for magnificent ornaments such as scarcely any other Indian tribe displays in this abundance. In order to have the material for this always at hand, the Indians keep young birds, taken from the nest, tamed in their huts in order to pluck them from time to time. The wax of bees plays an important role as gluing material.

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301 Dance belts (wădăkănă̊) of the male youth are not as elaborate as those of the Karajá, but are kept essentially simpler. One specimen is striped black and white lengthwise; on its lower edge, on a separate string, hang two bunches of Thevetia fruits and one to three feather rods, alternately. The other one, coming from Schischá, in addition to the lengthwise stripes, exhibits a cross-striping; on its lower edge, directly alternating, are fastened at each place two pairs of Thevetia fruits and one feather rod (Pl. 59, Ill. 12).

262 6. Food. The Šavajé, like the Karajá, live on the fish
136 that they catch and the yield from their plantings. The lake on which they live is extremely rich in fish, in spite of its shallow depth (0.75 to one meter); there were even pirarucús
311 in it. The planting lay far from the village, about six or seven hours away, on the edge of the rainy-season lake. It was growing extremely well and so thickly that one could scarcely follow the path in it. Close beside the new planting there was an older one.
482 Here and there filled back-baskets lay by the wayside, waiting to be picked up.

252 The manioc is pounded in a knee-high mortar (kōŏ̊) which
[912] has an approximately finger-thick wall, with a pestle (hāâû) of reddish wood 1.6 meters long and 0.10 meters thick, or it is rubbed on a wooden grater (wōlānăkĭă), /359/ picked over on the rod-sieve (brēdjĕ), and pressed in it. Then this meal is
262 mixed with water and cooked. Such manioc mush (ĭūālŭ) also constitutes the chief food of the Šavajé. In addition, I also saw yellow mush and green vegetables as festive foods.

226 Fishing was done by the young people with bows and arrows. Early in the morning they would already go out on the
[123] lake and soon return with a good yield. I received my share of everything, even of the huge pirarucú which was caught on the second forenoon. The lucky fisherman took out the entrails of the animal and then cut out the sides of the belly, which were distributed by the chief and placed on different piles. Then the rib pieces of three ribs each were chopped out and likewise distributed. Every family received its share. I, too, was given some.